

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE TEMPORARY SIGNAL AT THE INTERSECTION OF TOLLGATE ROAD AND
CONSTANT FRIENDSHIP BLVD IN HARFORD COUNTY.

INTERSECTION OPERATION

THE EXISTING BASE MOUNTED CABINET SHALL BE USED AT THIS LOCATION. THE INTERSECTION SHALL OPERATE IN AN ACTUATED
COORDINATED MODE USING 4 NEMA PHASES. THE LEFT TURN PHASE ALONG WESTBOUND TOLLGATE ROAD SHALL OPERATE WITH
AN EXCLUSIVE LEFT TURN PHASING. PEDESTRIAN PHASE AND NON INVASIVE DETECTORS WILL BE PLACED INTO OPERATION.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. RANDALL SCOTT, ASSISTANT DISTRICT ENGINEER-TRAFFIC
PHONE: (410) 321-2781
MR. STEVE MARCISZEWSKI, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761
MR. MICHAEL PASQUARIELLO, UTILITY ENGINEER
PHONE: (410) 321-2841
MR. RICHARD L. DAFF, SR., CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630
MR. EDWARD RODENHIZER, SIGNAL OPERATIONS CHIEF
PHONE: (410) 787-7650
MR. EUGENE BAILEY, SIGN OPERATIONS MANAGER
PHONE: (410) 787-7676

MS. ROXANE MUKAI, TRAFFIC MANAGER
MARYLAND TRANSPORTATION AUTHORITY
PHONE: (410) 537-7848

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE MARYLAND STATE HIGHWAY ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
	NONE		

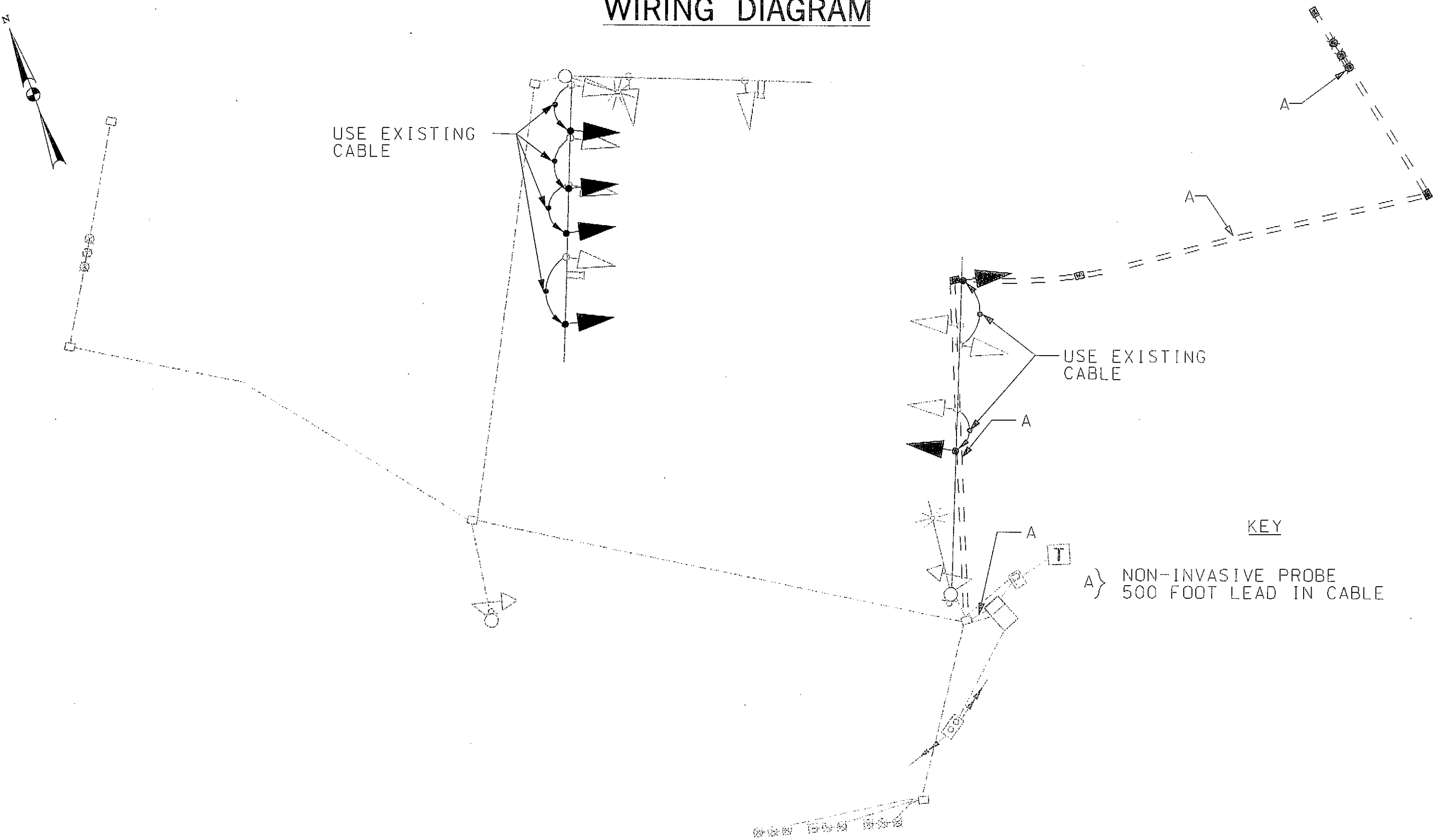
B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
585620	12 INCH HEAT APPLIED WHITE PERM PREF THERM PAVEMENT MARKINGS	LF	160
585624	24 INCH HEAT APPLIED WHITE PERM PREF THERM PAVEMENT MARKINGS	LF	130
800000	RELOCATE EXISTING SIGN ON SIGNAL STRUCTURE	EA	2
805118	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED	LF	80
805135	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	340
810601	NON-INVASIVE DETECTOR, 500 FOOT LEAD IN CABLE	EA	1
811001	ELECTRICAL HANDHOLE	EA	4
860265	RELOCATE EXISTING SIGNAL HEAD	EA	6

C.EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLY DRIVE,
HANOVER , MARYLAND 21076.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
	NONE		

WIRING DIAGRAM



PHASE CHART

1	2	3	4	5	6	7	8	9	10	11
(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)	(R)
(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)	(Y)
(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)	(G)

PHASE 2 AND 5	R	R	<G-	<G-	<G-	G	G	R	R	DW	DW	
2 AND 5 CHANGE	R	R	<Y-	<Y-	<Y-	G	G	R	R	DW	DW	
PHASE 2 AND 6	G	G	<R-	<R-	<R-	G	G	R	R	WK	WK	
PED CLEARANCE	G	G	<R-	<R-	<R-	G	G	R	R	FL/DW	FL/DW	
2 AND 6 CHANGE	Y	Y	<R-	<R-	<R-	Y	Y	R	R	DW	DW	
PHASE 4	R	R	<R-	<R-	<R-	R	R	G	G	DW	DW	
4 CHANGE	R	R	<R-	<R-	<R-	R	R	Y	Y	DW	DW	
FLASHING OPERATION	FL/Y	FL/Y	FL/R	FL/R	FL/R	FL/Y	FL/Y	FL/R	FL/R	DARK	DARK	

ULTIMATE



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

TOLLGATE ROAD AT CONSTANT FRIENDSHIP BLVD
IMPROVEMENTS TO I-95 AND MD 24 INTERCHANGE
ABINGDON, MARYLAND

GENERAL INFORMATION SHEET

SCALE 1" = 20' DATE MARCH 2007 CONTRACT NO. KH-271-000-002(R2)

DESIGNED BY A.M./S.D./A.G. COUNTY HARFORD
DRAWN BY M. RAFFLE LOGMILE
CHECKED BY K. RINKER TMS NO. H 810
FAP NO. NONE TOD NO.

TS NO. 41785 DRAWING PSG OF N002 SHEET NO. 445 OF 597



SABRA, WANG & ASSOCIATES, INC.
1504 JOH. AVENUE
SUITE 180
BALTIMORE, MD 21227
(410) 737-6564
WWW.SABRA-WANG.COM

PLOTTED: Tuesday, October 02, 2007 AT 10:11 AM
FILE: R:\2003\31 MDTA 2003-01 pnt_eng KCI\Task 01 MD24_I-95(Dwg)\Signal\PSG-N002_MD24.dgn